

In the claims:

1. (Currently amended) A high power, integrated fiber laser amplifier comprising a seed laser producing a seed pulse and one or more power amplifier stages comprising:

means for providing light seed pulses at a pulse repetition rate less than 1MHz;

a fiber preamplifier receiving and amplifying the said seed pulses pulse, said fiber preamplifier having a first core diameter;

a splitter arranged to receive amplified seed pulses light from said preamplifier and split said ~~light~~ amplified seed pulses into a plurality of channels,

a plurality of fiber power amplifiers, each of which comprises a low numerical aperture, coiled clad fiber, having a core diameter larger than said first core diameter,

means for coupling each of said fiber preamplifier channels to a respective one of said fiber power amplifiers.

2. (Original) A high power, integrated fiber laser amplifier according to claim 1 wherein said low numerical aperture is between 0.06 and 0.08.

3. (Original) A high power, integrated fiber laser system according to claim 1 further comprising a tapered fiber bundle connected to the cladding of said fiber power amplifier for directing pump energy into said cladding.

4. (Original) A high power, integrated fiber laser according to claim 1 further comprising:

first means for pumping said fiber preamplifier,

second means for pumping said fiber power amplifier, and

means for synchronizing the seed pulse with said first and second means for pumping to reduce ASE.